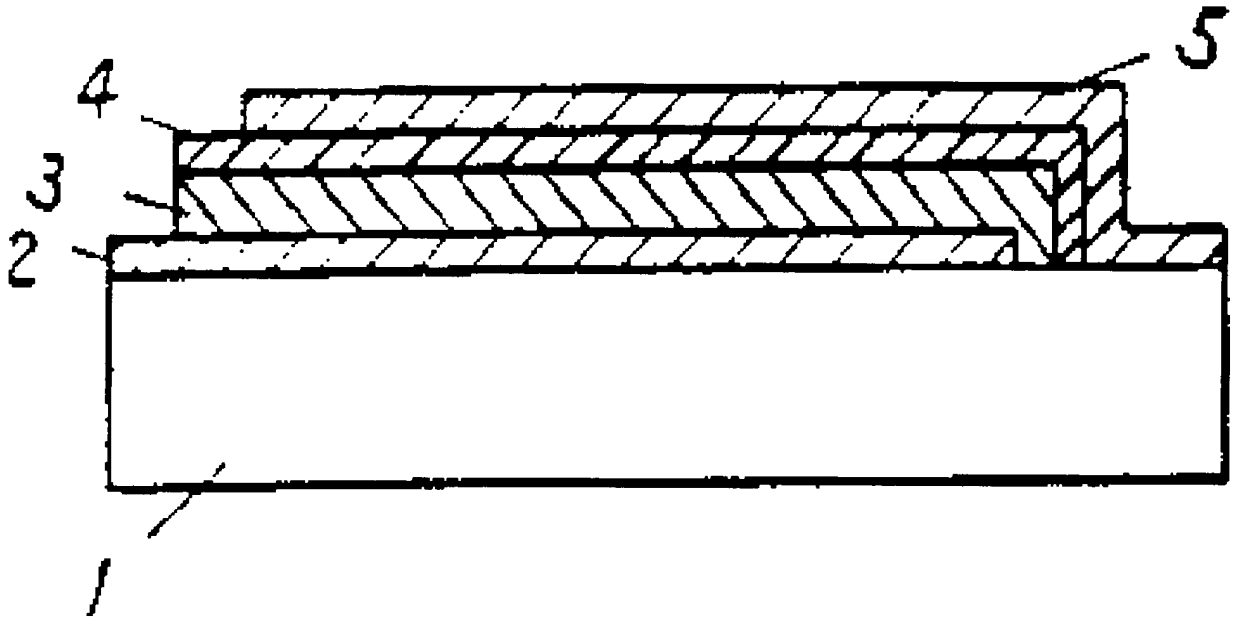


JP 01-315124



BEST AVAILABLE COPY

CLIPPEDIMAGE= JP401315124A

PAT-NO: JP401315124A

DOCUMENT-IDENTIFIER: JP 01315124 A

TITLE: THIN-FILM CAPACITOR

PUBN-DATE: December 20, 1989

INVENTOR-INFORMATION:

NAME

TAKADA, YUSUKE

YOSHIDA, ZENICHI

ASSIGNEE-INFORMATION:

NAME

MATSUSHITA ELECTRIC IND CO LTD

COUNTRY

N/A

APPL-NO: JP63147446

APPL-DATE: June 15, 1988

INT-CL (IPC): H01G004/06

US-CL-CURRENT: 361/313

ABSTRACT:

PURPOSE: To obtain a small-sized and large-capacitance thin-film capacitor whose characteristics are good by a method wherein a crystalline thin film and an amorphous thin film of one layer each are laminated on a substrate where an electrode has been formed and, in addition, another electrode is formed on them.

CONSTITUTION: A thin-film-like electrode 2 is composed of aluminum and is formed on one main face of a support substrate 1. A polycrystalline dielectric thin film 3 is composed of SrTiO_3 and is formed on a main part of the electrode 2 and on one part of the support substrate 1. An

BEST AVAILABLE COPY

amorphous
dielectric thin film 4 is composed of PbTiO_3 and
is formed on the
polycrystalline dielectric thin film 4 and on one part of
the support substrate
1. An electrode 5 is composed of aluminum and is formed on
the amorphous
dielectric thin film 4 and on one part of the support
substrate 1. By this
setup, it is possible to obtain a small-sized and
large-capacitance thin-film
capacitor whose frequency characteristic is also good.

COPYRIGHT: (C)1989, JPO&Japio

BEST AVAILABLE COPY